1. **Which of the following is a correct way to start a comment in Python?**
   - A. `<!--`
   - B. `,'#`
   - C. `//`
   - D. `/*`

2. **What does the following line of Python code do? `print("Hello, World!")`**
   - A. Sends an email saying "Hello, World!"
   - B. Displays "Hello, World!" on the screen
   - C. Calculates a math problem called "Hello, World!"
   - D. None of the above

3. **Which data type would you use to store a numerical value that can also be a fraction in Python?**
   - A. Integer
   - B. String
   - C. Float
   - D. Boolean

4. **What will the following code output? `print(8 % 3)`**
   - A. 2
   - B. 2.67
   - C. 5
   - D. 3

5. **Which of the following is a valid variable name in Python?**
   - A. 2things
   - B. _myvar
   - C. my-var
   - D. None of the above

6. **What keyword is used to create a function in Python?**
   - A. function
   - B. def
   - C. fun
   - D. create

7. **What is the output of the following code? `print(len("AI"))`**
   - A. 1
   - B. 2
   - C. "AI"
   - D. Error

8. **In Python, how do you create a loop that runs 5 times?**
   - A. for i in range(5):
   - B. while i < 5:
   - C. loop(5):
   - D. repeat 5 times:

9. **How do you access the first element of a list named `myList`?**
   - A. `myList[0]`
   - B. `myList[1]`
10. **Which operator is used to check if two values are the same?**
   - A. `=`
   - B. `===`
   - C. `==`
   - D. `!=`

11. **What is the output of the following code snippet? `print(True and False)`**
   - A. True
   - B. False
   - C. True and False
   - D. 1

12. Which operator is used for exponentiation in Python?
   - A. `^`
   - B. `%`
   - C. `**`
   - D. `&&`

13. **What does the `append()` method do in Python lists?**
   - A. Removes an item from the list
   - B. Adds a new item to the end of the list
   - C. Adds a new item to the beginning of the list
   - D. Sorts the list

14. **What keyword is used to catch exceptions in Python?**
   - A. `catch`
   - B. `try`
   - C. `except`
   - D. `error`

15. **Which module in Python contains functions for working with numbers?**
   - A. `num`
   - B. `math`
   - C. `number`
   - D. `calculate`

16. **What is slicing in Python?**
   - A. Cutting and pasting text from one place to another
   - B. Dividing a list into multiple smaller lists
   - C. Removing an item from a list
   - D. Retrieving parts of a sequence like a string or list

17. **Which function converts a string into an integer in Python?**
   - A. `intConvert()`
   - B. `toInt()`
   - C. `int()`
   - D. `strToInt()`
18. **Which of the following is used to create a loop in Python that executes a set of statements as long as a condition is true?**
   - A. for
   - B. while
   - C. repeat
   - D. until

19. **What will be the output of the following Python code? `print("Python"[1:4])`**
   - A. Pyt
   - B. thon
   - C. ytho
   - D. yth

20. **How is a dictionary different from a list in Python?**
    - A. Dictionaries can only store numbers.
    - B. Lists preserve the order of elements, dictionaries don't.
    - C. Lists can contain multiple data types, dictionaries cannot.
    - D. Dictionaries are used for sorting data.